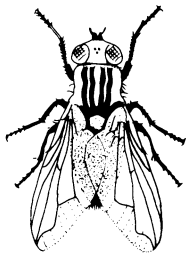


The identity of *Sarcophaga magnicornis* Siebke, 1863 (Diptera: Calliphoridae)

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Sarcophaga magnicornis Siebke, 1863 is established as a new junior synonym of *Sarcophaga fuscipalpis* Zetterstedt, 1845 (now in *Lucilia* Robineau-Desvoidy, 1830 or in *Francilia* Shannon, 1924) and removed from the synonymy of *Musca genarum* Zetterstedt, 1838 (now in *Calliphora* Robineau-Desvoidy, 1830 or in *Abonesia* Villeneuve, 1927). Mis-citations of dates of publication and other errors concerning *genarum* Zetterstedt and *magnicornis* Siebke in the literature are pointed out.

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In their revisions of European Calliphoridae both Séguy (1941) and Zumpt (1956) followed Bezzi & Stein (1907) in listing *Sarcophaga magnicornis* Siebke, 1863 as a synonym of *Musca genarum* Zetterstedt, 1838, which is now placed alternatively in the monotypic genus *Abonesia* Villeneuve, 1927 or in *Calliphora* Robineau-Desvoidy, 1830. Soot-Ryen (1943), in a survey of Diptera described from Norwegian type localities, also accepted this synonymy. Bezzi & Stein (1907), Séguy (1941), Soot-Ryen (1943), Zumpt (1956) and Hackman (1980) erroneously cite the year of publication of *genarum* as 1845, and both Bezzi & Stein (1907) and Séguy (1941) mis-cite its original generic assignment as *Sarcophaga* Meigen, 1826. The date of *magnicornis* is erroneously cited as 1864 by Bezzi & Stein (1907), Séguy (1941) and Zumpt (1956).

A comparison of Siebke's description of *magnicornis* with Zetterstedt's description of the *genarum* female (Zetterstedt 1838:658, as *Musca laticornis*; Zetterstedt 1845:1309, as *Sarcophaga genarum*) on the one hand, and with a female specimen of *genarum* from Northern Norway in my own collection on the other, indicated that the above synonymy might be wrong. The following statements are particularly significant: "Epistoma albo-micans . . . epistomateqve apice nigro, nec rufescente . . . palpis obscuris, nec

flavis . . ." (*magnicornis*) "Epistoma ferrugineum . . . Palpi . . . flavi . . ." (*genarum*). An examination of the female holotype of *magnicornis* in fact showed it to belong to the taxon now named *Lucilia fuscipalpis* (Zetterstedt, 1845) by most European authors and *Francilia fuscipalpis* by North American ones (Hall 1965). The following new synonymy is thereby established.

Lucilia fuscipalpis (Zetterstedt, 1845)

Sarcophaga fuscipalpis Zetterstedt, 1845:1306. Syntypes ♂ ♀, Norway (Nord-Trøndelag, NTI), Sweden (Jämtland). Revised by Ringdahl (1942, 1945) and Zumpt (1956, one male). All Museum of Zoology, Lund, Sweden, (not examined).

Sarcophaga magnicornis Siebke, 1863:160. Holotype ♀, Norway (Oppland, ON, Dovre: Fokstua), labelled (1) "Fokstuen 8.7.61" (in Siebke's black ink hand writing), (2) "Siebke" (printed), (3) (red label) "Typus" (printed) "*Sarcophaga marginicornis* Siebke (N)" (in pencil, species name mis-spelled as indicated), (4) (yellow label) "7477 (printed), (5) "*Lucilia fuscipalpis* Zett. ♀ K. Rognes det. 1982" (black ink hand writing). In Museum of Zoology, Oslo, Norway, (examined). *New synonymy*.

Other synonyms: see references in Zumpt 1956, Hall 1965.

S. magnicornis was listed and the description repeated in Siebke (1877) who erroneously gives the year of publication of the original description

as 1864. In fact this is very probably the source of the mis-citations of Bezzi & Stein, Séguy and Zumpt (cf. above). On the same page *S. genarum* is also listed on the basis of Zetterstedt's and Siebke's own captures from Norway, a fact indicating that Siebke had seen *genarum*. *S. fuscipalpis* is listed on p. 95, but evidently Siebke did not have first hand knowledge of this species as he only cites Zetterstedt's captures from Norway. Siebke's confusion as to the identity of *fuscipalpis* is further revealed by the fact that he had captured a female specimen 8 years earlier at the same locality as the holotype of *magnicornis* but later misidentified it as *Lucilia splendida* Meigen (= *L. caesar* L. teste Aubertin 1933) (Siebke 1877; Rognes 1980).

Siebke (1877) refers to a male specimen of *S. magnicornis* captured by Grimsgaard 5.VI.1865 "ad Sarpsborg" (Østfold, Ø). I have not seen this specimen but considering the locality (cf. Rognes 1980) it would be surprising if it has been correctly identified.

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References

- Aubertin, D. 1933. Revision of the genus *Lucilia* R.-D. (Diptera, Calliphoridae). — J. Linn. Soc. Lond. Zool. 38: 389–436.
- Bezzi, M. & Stein, P. 1907. Band III. Cyclorapha Aschiza. Cyclorapha Schizophora: Schizometopa. In: Becker, T., Bezzi, M., Kertész, K. & Stein, P., (eds.), Katalog der Paläarktischen Dipteren. 828 pp. Budapest.
- Hackman, W. 1980. A check list of the Finnish Diptera II. Cyclorhapha. — Notul. Ent. 60: 117–162.
- Hall, D. G. 1965. Family Calliphoridae. Pp. 922–932. In: Stone, A., Sabrosky, C. W., Wirth, W. W., Foote, R. H. & Coulson, J. R. (eds.), A catalog of the Diptera of America north of Mexico. — U.S. Department of Agriculture, Handbook No. 276, 1696 pp. Washington D.C.
- Ringdahl, O. 1942. Neue schwedische Tachiniden-Gattungen und Arten. — Opusc. ent. 7: 62–65.
- 1945. Förteckning över de av Zetterstedt i Insecta Lapponica och Diptera Scandinaviae beskrivna tachiniderna med synonymer jämte anteckningar över en del arter. — Opusc. ent. 10: 26–35.
- Rognes, K. 1980. The blow-fly genus *Lucilia* Robineau-Desvoidy (Diptera, Calliphoridae) in Norway. — Fauna norv. Ser. B. 27: 39–52.
- Séguy, E. 1941. Études sur les mouches parasites. Tome II Calliphorides. Calliphorines (suite), Sarcophagines et Rhinophorines de l'Europe occidentale et méridionale. Recherches sur la morphologie et la distribution géographique des Diptères à larves parasites. — Encycl. ent. (A) 21: 1–436.
- Siebke, H. 1863. Beretning om en i Sommeren 1861 foretagen entomologisk Reise. — Nyt. Mag. Naturvid. 12: 105–192.
- 1877. Enumeratio Insectorum Norvegorum. Fasciculum IV, Catalogum Dipteroorum Continentem. xiv + 255 pp. Christianiae (= Oslo). (Edited and posthumously published by J. Sparre Schneider.)
- Soot-Ryen, T. 1943. A review of the literature on Norwegian Diptera until the year 1940. — Tromsø Mus. Aarsh. 65 (1942) (3): 1–46.
- Villeneuve, J. 1927. Sur *Onesia genarum* Zett. (Dipt.). — Bull. Ann. Soc. r. ent. Belg. 66:357.
- Zetterstedt, J. W. 1838. Sectio Tertia Diptera. Dipterologis Scandinaviae. Pp. 477–868. In: Zetterstedt, J. W., Insecta Lapponica, vi + 1140 pp. Lipsiae (= Leipzig).
- 1845. Diptera Scandinaviae disposita et descripta 4: 1281–1738. Lundae (= Lund).
- Zumpt, F. 1956. 64i. Calliphorinae. In: Lindner, E. (ed.), Die Fliegen der Palaearktischen Region 11, 140 pp. Stuttgart. (Lieferung 190, 191, 193).

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